

## Women and Girls in Science Day 2024

As a school, we celebrated Women and Girls in Science Day on Monday 12<sup>th</sup> February. Every child took part in an experiment and learned about famous women in science.

**EYFS** learned about what the word science means and were inspired through the skittle experiment. They then went on to learn about **Mary Anning**, who was a palaeontologist and fossil collector. The children had the challenge of keeping their very own egg safe all week.

Year 1 learned about Mary Jackson, who was the first African American female engineer at the National Aeronautics and Space Administration (NASA). She was a mathematician as well as an aerospace engineer. In addition to her professional work, Jackson was known for her volunteer work at NASA and in her community. To celebrate this amazing scientist, Year 1 solved mathematical problems, created their own rockets and used problem solving to complete a Ker-plunk challenge.

Year 2 learned about women who are linked to space/NASA such as Katherine Johnson, Dorothy Vaughan and Valentina Tereshkova. They made 'moon landers' and dropped them from different heights to see the strength of their structure.

Year 3 learned about the life and work of Cecelia Payne- Gaposchkin, an astrophysicist. They made their own spectroscopes to study the colours of white light.

Year 4 based their learning around Katia Krafft and volcanoes. Their experiment was coke and Mentos vs Vinegar and Bicarbonate volcanoes.

Year 5 explored the life and work of Sylvia Earle, oceanographer, and carried out an experiment to demonstrate how water pressure is greater the deeper down you go! The lower hole, in the bottle, spurted water at a faster rate, showing the pressure was greater!

Year 6 had scientists from St. Helena teach them about important women in science and the breakthroughs that they made. Valentina Tereshkova was the first and youngest woman in space. Ada Lovelace created the first computer programme and Carolina Herschel was the first female scientist to be paid a wage as well as the first woman to also have a role in Government too! They also learned about the PH system and were shown how an acid and an alkaline interact with each other. Finally, they learned what the word 'combustion' meant and had a demonstration of it too!



Science at home...

If you have been inspired by one of the above experiments, half term would be a great time to have some science fun with the help of a grown up! It would be wonderful to share photographs of these in the newsletter over the coming weeks.

## **Rotary Young Artist Competition**

Theme: Rebuilding.—The 'Rebuilding' Theme can be interpreted as broadly as the Young Artist wishes and does not need to conform to the dictionary definition of the word.

'Rebuilding Lives and Rebuilding Communities' is one of three unifying themes Rotary International in Great Britain and Ireland (Rotary GB&I) is using to link all the service projects Rotary clubs undertake in and with their communities, and the people in them, locally, nationally and internationally.

ARTIST COMPETITION

The Theme for the Young Artist competition is simply 'Rebuilding' so it gives young people the widest opportunity to share their creative talents in showing us what it means to them.

The competition aims to encourage young people to use traditional or contemporary methods of art to:

- be creative
- develop skills in using traditional or contemporary media
- demonstrate interpretation of the topic
- express personal ideas through a selected medium

The closing date for entries is Tuesday 27th February—so entries need to be handed in to either site by this date. The entry form and further information will be sent out with the newsletter electronically.